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(54) POLYFUSED RING COMPOUND

(57) Abstract:

NEW MATERIAL:A polyfused ring compound shown by formula I [R is polyfused ring (may be substituted); m is 0W3; Y is O, S, NH or SO₂NH; n is 0W10; Z is carboxyl, ester, amino, phthalimide or 4-azido-2-nitrophenylamino].

EXAMPLE: 6-(1-Pyrenylmethoxy) hexanoic acid benzyl ester.

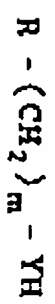
USE: A substance for microanalysis related to biology, capable of carrying out microanalysis using chemoluminescence.

PREPARATION: For example, an alcohol, thiol, amine or sulfonamide shown by formula II is reacted with a compound shown by formula III (X1 is halogen, methanesulfonyl or p-toluenesulfonyl) to give a polyfused ring compound shown by formula I.

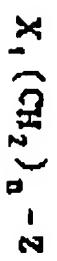
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I



II



III